



**DEPARTMENT OF THE NAVY**  
NAVAL FACILITIES ENGINEERING COMMAND, MID-ATLANTIC  
9324 VIRGINIA AVENUE NORFOLK, VA 23511-3095

5090  
OPTE3/18  
AUG 6 2015

Edward J. Hannon  
Environmental, Safety, Health and Medical Manager  
Northrop Grumman Systems Corporation  
925 South Oyster Bay Road  
M/S Q06305/BP15  
Bethpage, NY 11714

Dear Mr. Hannon,

Subj: OPERABLE UNIT 2 ONCT WATER SAMPLING

The Navy requests access to collect water samples from the Northrop Grumman Operable Unit No. 2 (OU2) Onsite Containment System (ONCT). The specific wells/sampling points are listed in Table 1.

Table 1 - Wells and Sampling Points

Wells	Towers
1	96 - Effluent
3R	102 - Effluent
17	
18	
19	

In addition, QA/QC samples will be collected including blanks and duplicates. The parameters and analytical methods are presented in Table 2. The Navy would like to collect these samples within the next 45 days. Prior to collecting the samples, the Navy will need confirmation that the ONCT systems are operating normally.

Table 2 - Sampling Parameters and Analytical Methods

Parameter	Analytical Method
Target Compound List VOCs	SW846-8260C
Polychlorinated biphenyls	SW846-8082A
Chromium - total	SW846-6020A
Chromium - hexavalent	EPA-7196A
1,4-dioxane	SW846-8270D SIM

If split sampling is requested, the Navy will coordinate with NG.

As previously discussed with NG during our technical meetings, polychlorinated biphenyls (PCBs) and chromium (total and hexavalent valence) have been detected in the groundwater on the former NWIRP. Since groundwater flow from the NWIRP is captured in one or more of the ONCT wells, it is possible that without attenuation, these chemicals may currently, or in the future, be detected in one or more of these wells and/or the system effluent. As we understand the operation of the ONCT, NG does not sample the systems for these parameters. Also, the effectiveness of the ONCT in treating these chemicals is uncertain, and therefore, the Navy would also like to collect the effluent from Towers 96 and 102 for these parameters.

The Navy is also evaluating the presence of 1,4-dioxane and other trace non-OU2 VOCs in the groundwater on the former NWIRP and in areas south of the ONCT System for possible interference with the operation of treatment systems on public water supplies. The Navy is interested in determining if these organics are present in the ONCT and being captured and treated.

Thank you in advance for your cooperation in the continued evaluation of the OU2 plumes. If you have any questions, please contact the Navy's remedial project manager, Lora Fly, at (757) 341-2012.

Sincerely,



NINA M. JOHNSON  
Northeast IPT  
Environmental Business Line  
Team Leader  
By direction of the  
Commanding Officer

Copy to:  
NAVAIR, William Cords  
NYSDEC, Henry Wilkie  
USEPA Region II, Carol Stein  
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